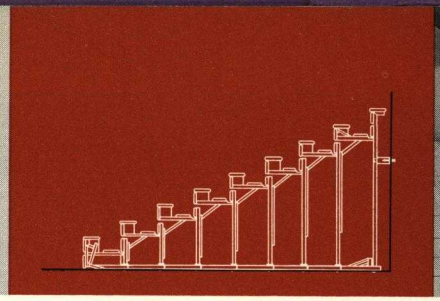
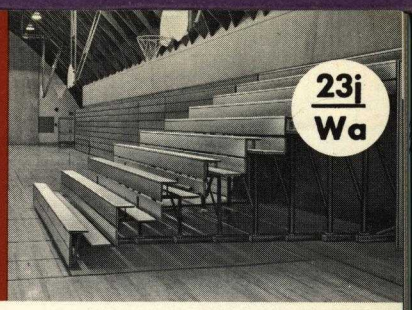
WAYNE
GYMNASIUM SEATING

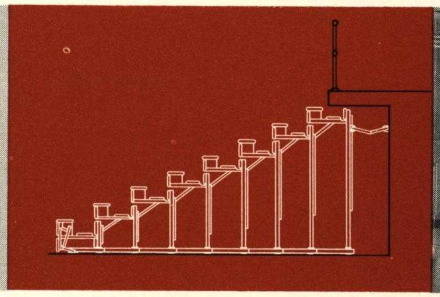
MODEL 50—VERTICAL FRONT
WALL OR FLOOR ATTACHED • MANUAL OPERATION

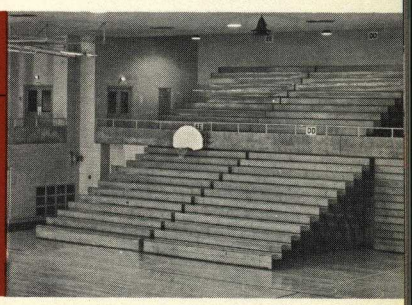




WAYNE
GYMNASIUM SEATING

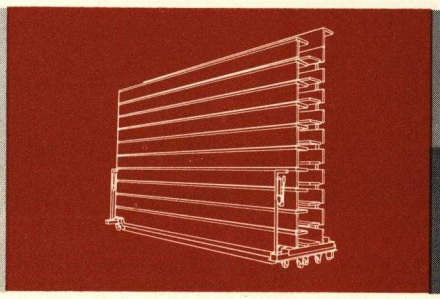
MODEL 50-R—RECESSED
WALL ATTACHED • MANUAL OPERATION

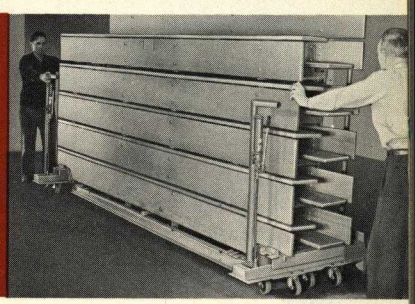




WAYNE
GYMNASIUM SEATING

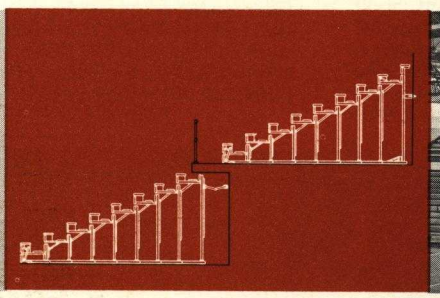
MODEL 50-M—MOVABLE
SELF-SUPPORTING • MANUAL OPERATION WITH TRUCKS

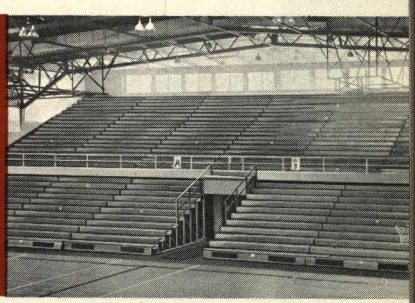




WAYNE
GYMNASIUM SEATING

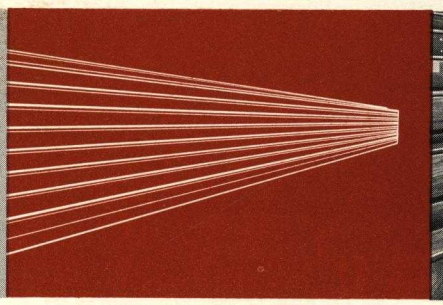
MODEL 50-S, 50-X—HIGH VISIBILITY
FOR TWO LEVEL SEATING • MANUAL OPERATION





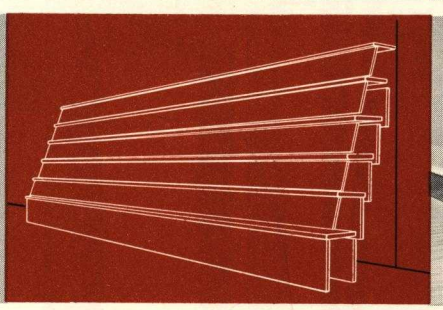
WAYNE
GYMNASIUM SEATING

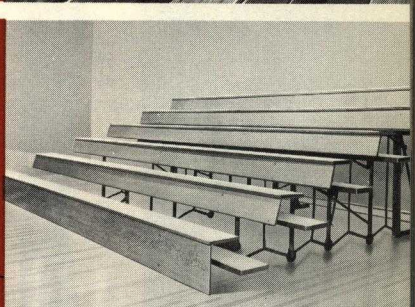
MODEL 70—CONTINUOUS SEATING
AUTOMATIC POWER OPERATION



WAYNE
GYMNASIUM SEATING

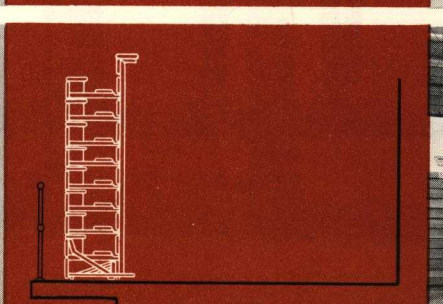
MODEL 30—FOLDING BLEACHERS
WALL ATTACHED • MANUAL OPERATION

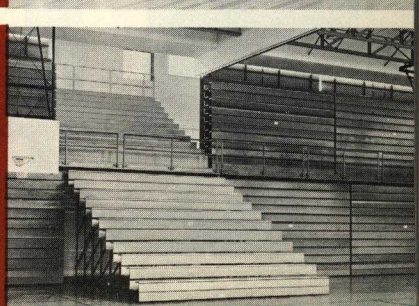




WAYNE
GYMNASIUM SEATING

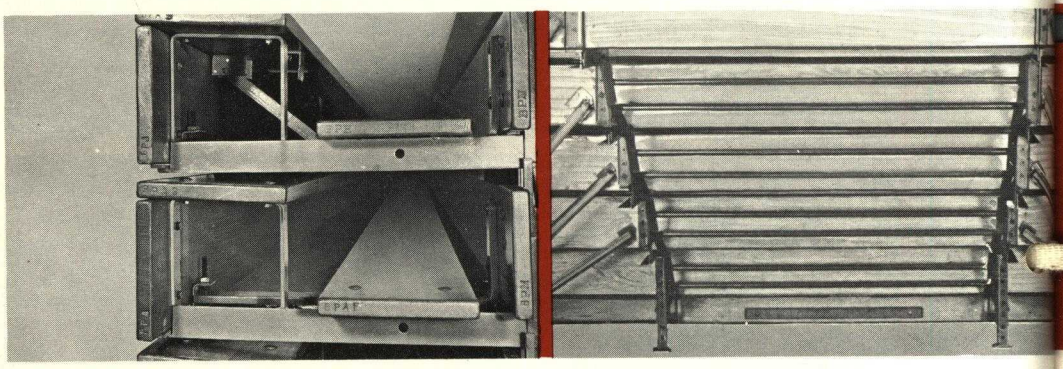
MODELS 50-RR—50-RRFM—50-RRFO—REVERSE ROLL





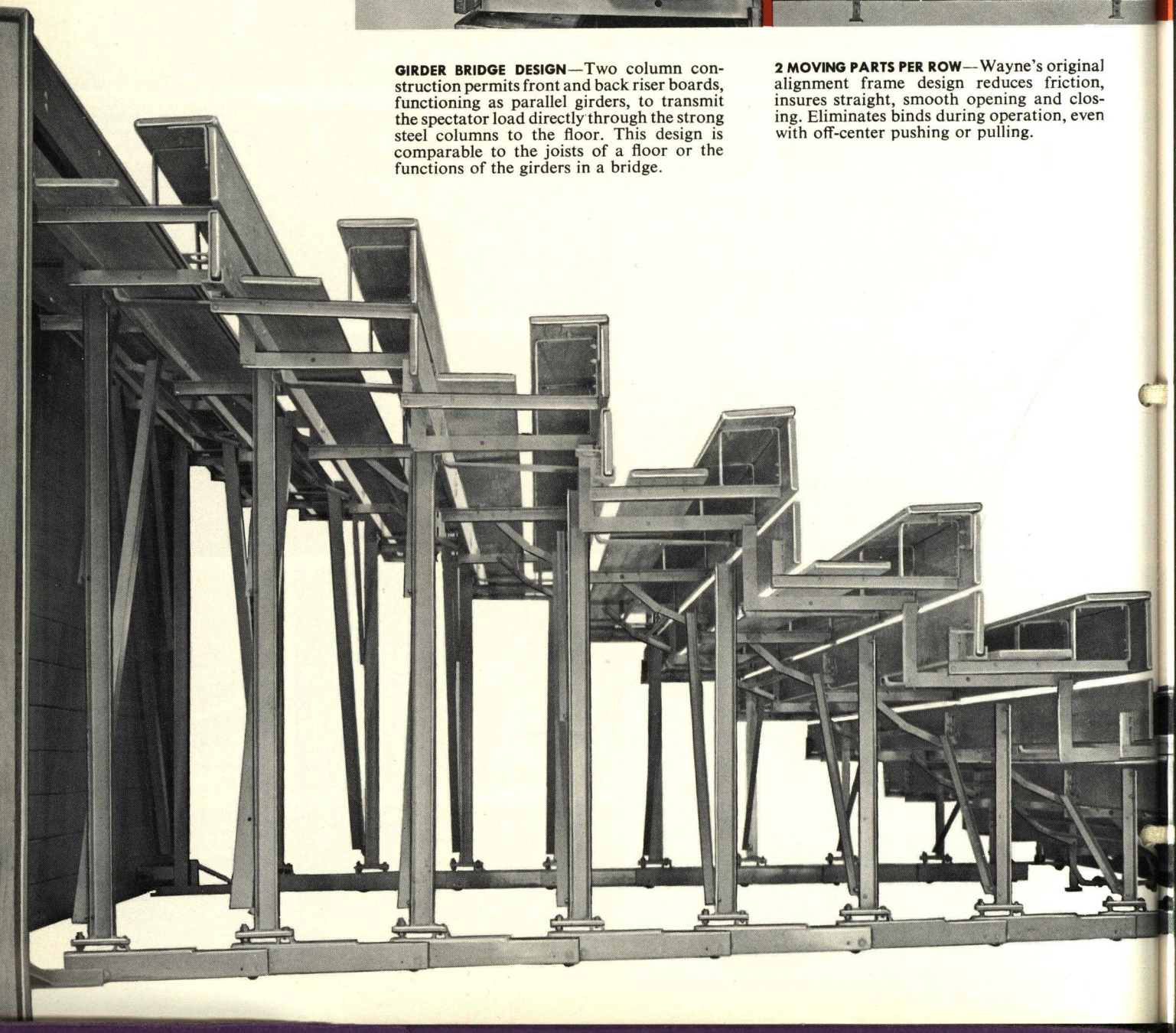
WAYNE MODEL 50 VERTICAL FRONT

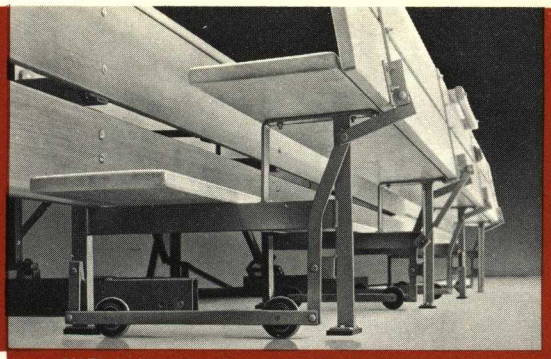
engineering excellence • design efficiency • greater seating value



GIRDER BRIDGE DESIGN—Two column construction permits front and back riser boards, functioning as parallel girders, to transmit the spectator load directly through the strong steel columns to the floor. This design is comparable to the joists of a floor or the functions of the girders in a bridge.

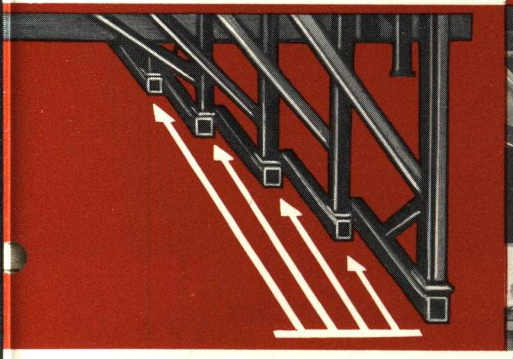
2 MOVING PARTS PER ROW—Wayne's original alignment frame design reduces friction, insures straight, smooth opening and closing. Eliminates binds during operation, even with off-center pushing or pulling.

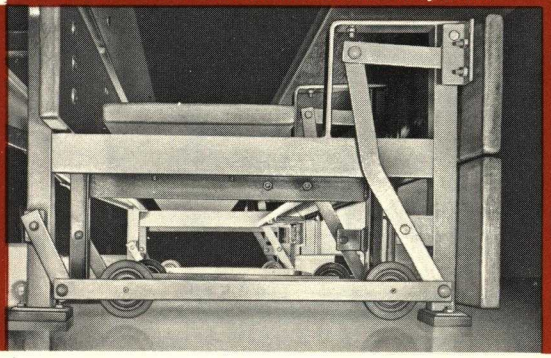




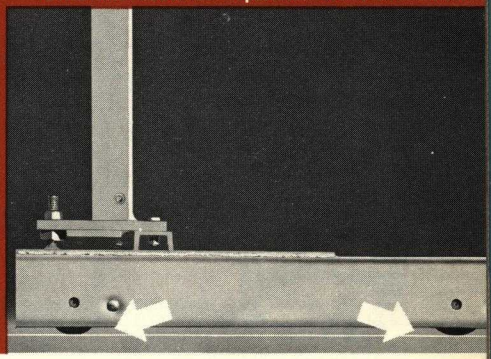
RISER BOARD UP—Brakes off the floor—ready to roll

GYMSTAND OCCUPIED—spectator load is on the floor





RISER BOARD DOWN—8 brakes per unit firmly contact the floor

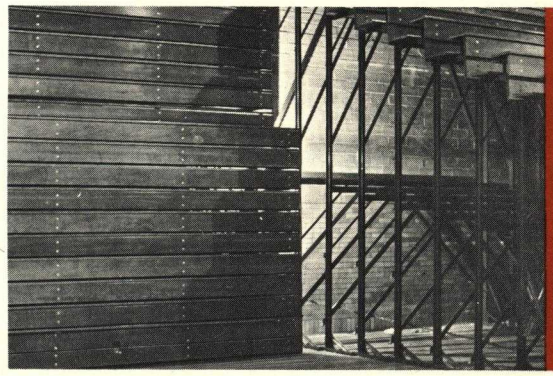


GYMSTAND UNOCCUPIED—load is on the wheels

NON-GROOVE ROLLING SYSTEM—Wayne's wheel assembly, housed in the Rolling Foot, carries the columns of each row separately side by side, not in the same plane. This efficient design distributes the load; eliminates floor grooving; makes the stand easy to open and close.

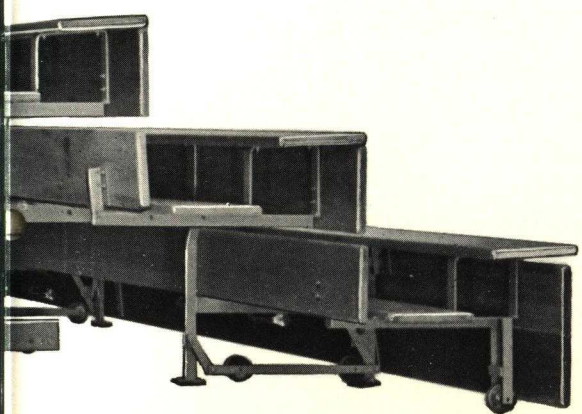
SELF-LOCKING BRAKES—The hinged front row riser board operates Wayne's efficient self-locking system. When the front riser board is lowered, the locking system automatically makes contact with the gym floor at 8 points. Units cannot shift, slide or lose position. When the front riser is lifted, the 8 brakes automatically lift from the floor.

LOAD DISTRIBUTION—When the stand is occupied, the live load is carried directly to the floor through the strong steel columns. Wayne's Rolling Foot, a unique system that provides 65 square inches of floor contact area per row, exceeds by more than 100% any competitive design, distributes the load over a broad area, insures stability.



SWAY BRACES—Two or more diagonal sway braces per row add stability to Wayne Rolling Gymstands. These strong steel angles transmit any sway action to the floor through the column foot

USE ANY NUMBER OF ROWS—Wayne's positive self-row-locking system permits any number of rows to be used. Simply by rolling out the number of rows required and locking the front riser board, the entire assembly locks in position ready for use for social affairs, dances, etc.

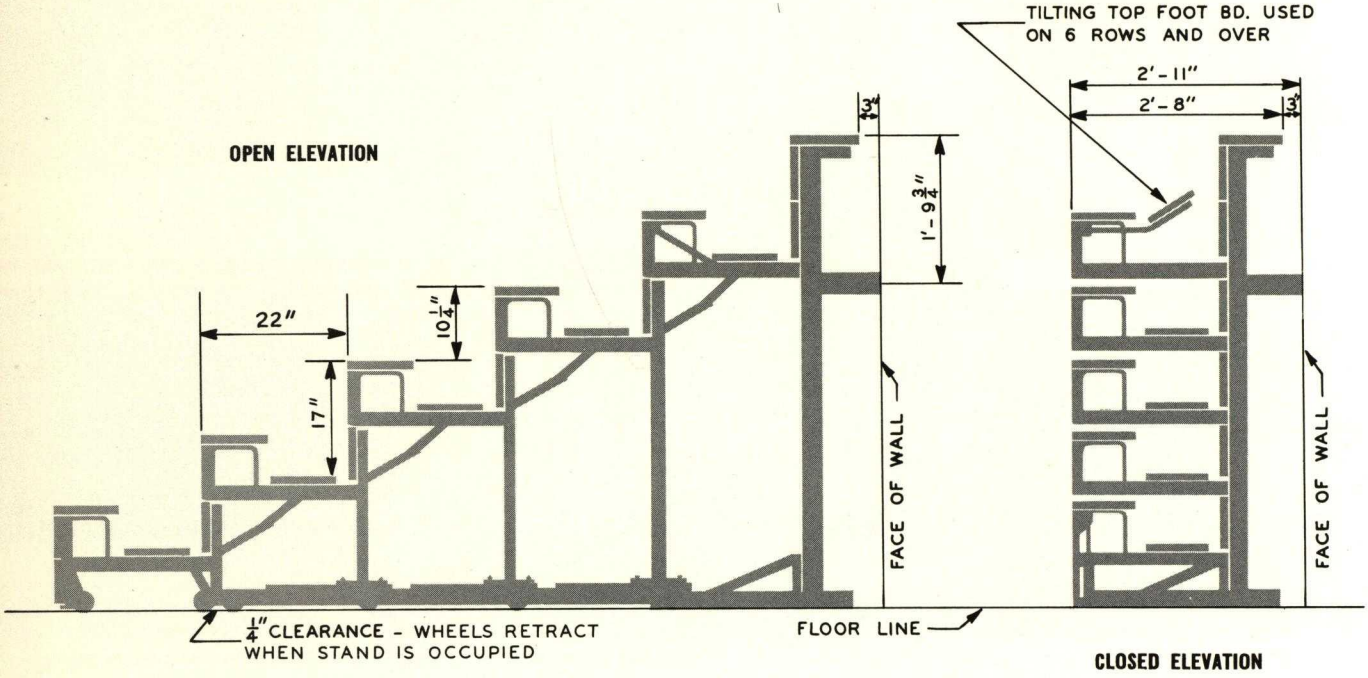


STANDARD DIMENSIONS

10¼" RISE-PER-ROW

22" DEPTH-PER-ROW

DETAIL • DIMENSIONS



ROLLING GYMSTAND MODELS 50, 50-R, 50-S, 50-X, 50-RR, 50-RRFM, 50-RRFO, 70

No. of Rows	22" Depth Open *	22" Depth Closed *	24" Depth Open *	24" Depth Closed *	Height 10¼" Rise Per Row**	Min. Unit Length	No. Seats 16'0" Unit
	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	
3	4-6	2-8	4-10	2-10	3- 1½	4-6	36
4	6-4	2-8	6-10	2-10	3-11¾	5-10	48
5	8-2	2-8	8-10	2-10	4-10	6-5	60
6	10-0	2-8	10-10	2-10	5- 8¼	6-9	72
7	11-10	2-8	12-10	2-10	6- 6½	7-2	84
8	13-8	2-8	14-10	2-10	7- 4¾	7-6	96
9	15-6	2-8	16-10	2-10	8-3	7-11	108
10	17-4	2-8	18-10	2-10	9-1¼	8-3	120
11	19-2	2-8	20-10	2-10	9-11½	8-8	132
12	21-0	2-8	22-10	2-10	10-9¾	9-0	144
13	22-10	2-8	24-10	2-10	11-8	9-5	156
14	24-8	2-8	26-10	2-10	12-6¼	9-9	168
15	26-7	2-9	28-10	2-10	13-4½	13-10	180
16	28-5	2-9	30-10	2-10	14-2¾	13-10	192
17	30-3	4-7	32-10	4-10	15-1	13-10	204
18	32-1	4-7	34-10	4-10	15-11¼	13-10	216
19	33-11	4-7	36-10	4-10	16-9½	13-10	228
20	35-9	4-7	38-10	4-10	17-7¾	13-10	240
21	37-7	4-7	40-10	4-10	18-6	13-10	252
22	39-5	4-7	42-10	4-10	19-4¼	14-3	264
23	41-3	4-7	44-10	4-10	20-2½	14-3	276

HEIGHT OF SEAT ABOVE FOOTREST IS 17 INCHES

* For comfort, top seat should be set about 3" from wall on all models except model 70 where distance should be 5". 12" top seatboard is provided on model #70 to assure standard 3" offset. Therefore ADD 3" to the dimensions from 3 to 14 rows and add 2" to the dimensions from 15 to 23 rows. Allow 1" to 2" clearance between units and 1½" to 2" clearance between end units and walls or other obstructions.

** (Model 50-S) For 11⅜" rise-per-row, add to height 1⅛" for each row except the front row.

** (Model 50-X) For 13⅜" rise-per-row, add to height 3⅛" for each row except the front row.

MOVABLE ROLLING GYMSTAND MODEL 50-M

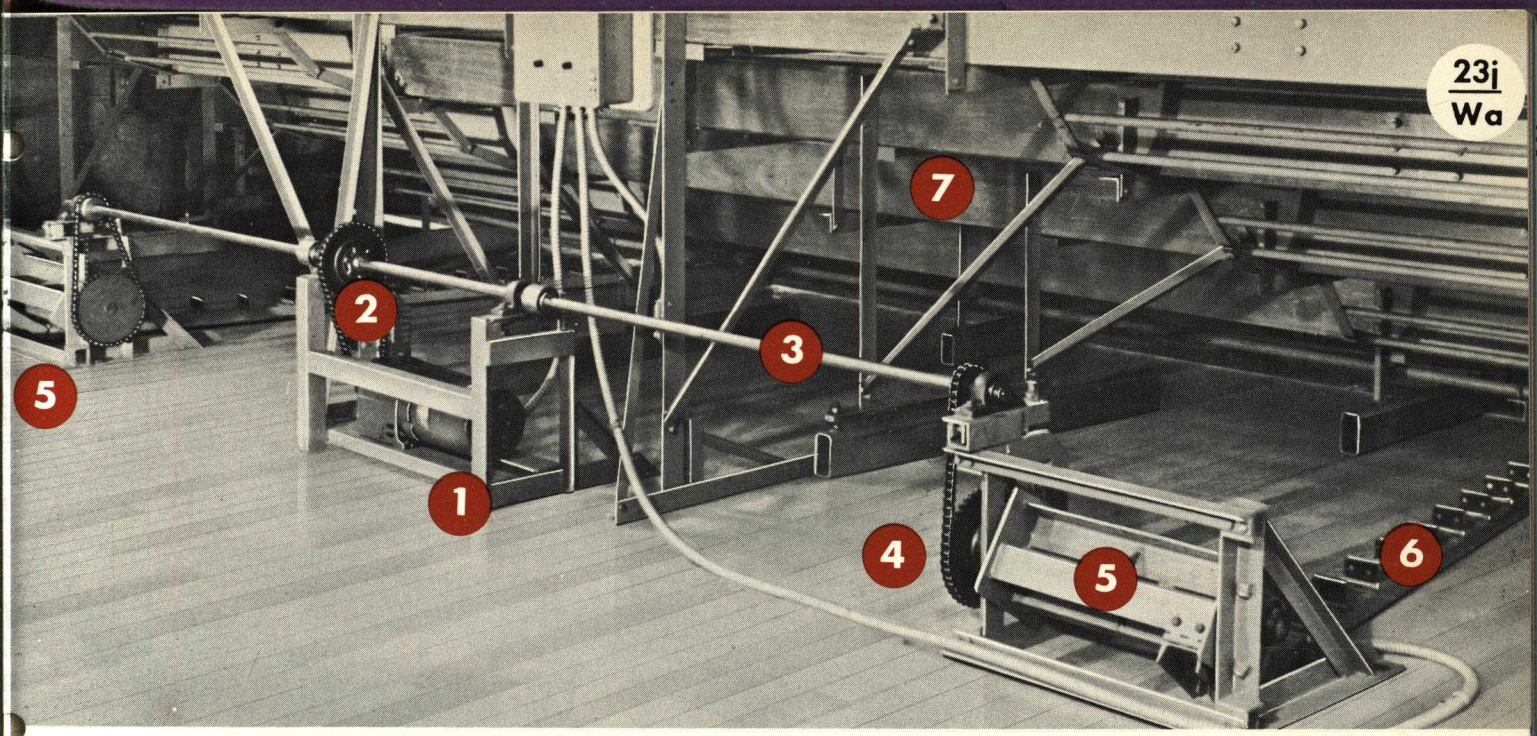
Maximum 14 Rows

No. of Rows	22" Depth Open	22" Depth Closed	22" Depth Closed on Trucks	24" Depth Open	24" Depth Closed	24" Depth Closed on Trucks	Height 10¼" Rise Per Row	Minimum Length Movable	No. Seats 16'0" Unit
	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	Ft.-In.	
3	5-3½	3-5½	4-1⅜	5-7½	3-7½	4-3⅜	3-1½	6-3	36
4	7-1½	3-5½	4-1⅜	7-7½	3-7½	4-3⅜	3-11¾	7-7	48
5	8-11½	3-5½	4-1⅜	9-7½	3-7½	4-3⅜	4-10	8-2	60
6	10-9½	3-5½	4-1⅜	11-7½	3-7½	4-3⅜	5-8¼	8-6	72
7	12-7½	3-5½	4-1⅜	13-7½	3-7½	4-3⅜	6-6½	8-11	84
8	14-5½	3-5½	4-1⅜	15-7½	3-7½	4-3⅜	7-4¾	9-3	96
9	16-3½	3-5½	4-1⅜	17-7½	3-7½	4-3⅜	8-3	9-8	108
10	18-1½	3-5½	4-1⅜	19-7½	3-7½	4-3⅜	9-1¼	10-0	120
11	19-11½	3-5½	4-1⅜	21-7½	3-7½	4-3⅜	9-11½	10-5	132
12	21-9½	3-5½	4-1⅜	23-7½	3-7½	4-3⅜	10-9¾	10-9	144
13	23-7½	3-5½	4-1⅜	25-7½	3-7½	4-3⅜	11-8	11-2	156
14	25-5½	3-5½	4-1⅜	27-7½	3-7½	4-3⅜	12-6¼	11-6	168

HEIGHT OF SEAT ABOVE FOOTREST IS 17 INCHES

For 11⅜" rise-per-row, add to height 1⅛" for each row except the front row.

For 13⅜" rise-per-row, add to height 3⅛" for each row except the front row.



WAYNE MODEL 70

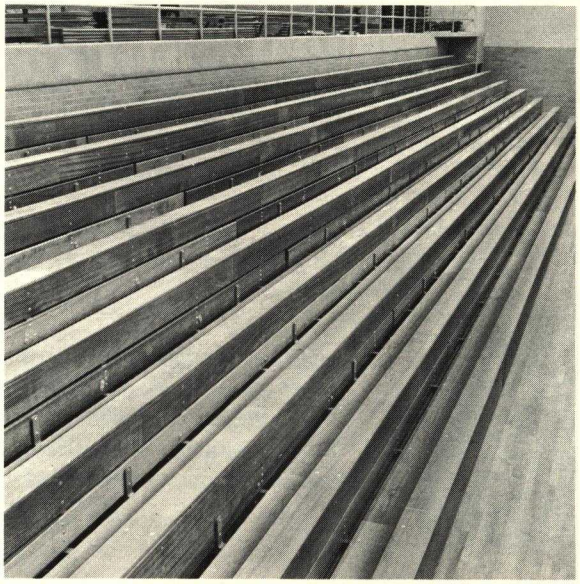
continous seating • automatic power operation

EFFICIENT, NOISELESS MOTORIZED DRIVE SYSTEM*

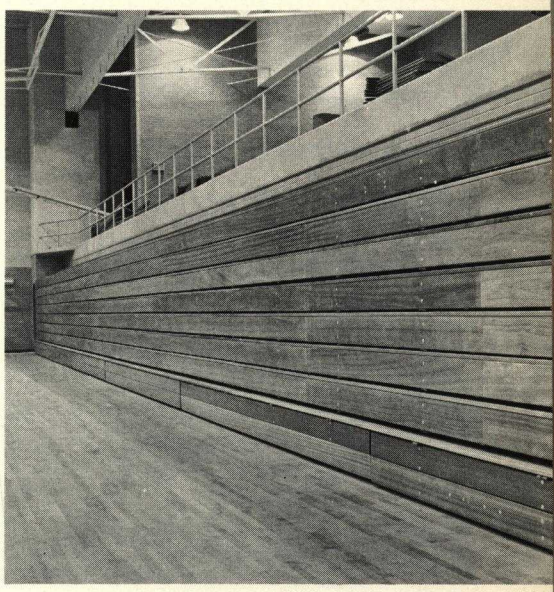
1. Gearhead Reduction Motor
2. Chain Drive and Adjustable Torque-Limiting Safety Coupling
3. Jack Shaft
4. Sprocket and Chain Drive
5. Drive Reels
6. Rigid Pusher Linkage
7. Wayne-Weld Continuous Boards*

Wayne Motorized Rolling Gymstands are opened or closed by a steady force applied to the front row as the hinged links of steel channel wind or unwind and roll smoothly and noiselessly along the floor.

- No floor track required
- No building extras needed
- Operates on 208 or 220 volt power source
- Straight line operation—no binding, wandering or jamming
- Can be stopped and locked in any position during operation



9-row continuous Model 70 in open position

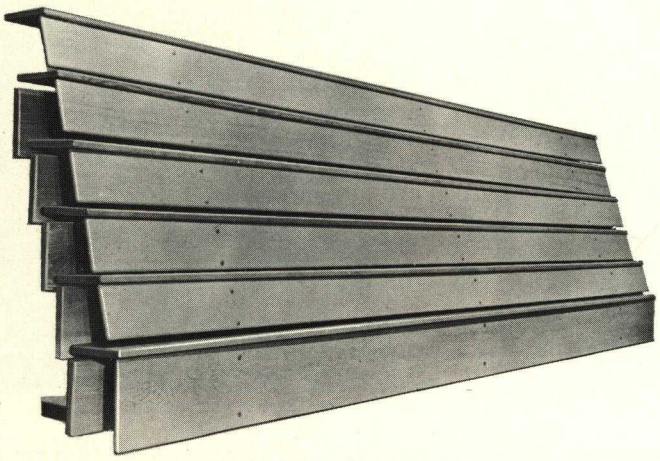


9-row continuous Model 70 in closed position

*Patent Pending

THE WAYNE MODEL 30 FOLDING BLEACHER

EASY ROLLING	ENAMELED TUBULAR STEEL UNDER-STRUCTURE	ATTRACTIVE LACQUERED DOUGLAS FIR WOOD	NON-MARKING, RUBBER FACED, PLASTIC WHEELS	OPENS AND CLOSES IN ONE CONTINUOUS MOTION	CAN BE LOCKED IN ANY POSITION



SLOPING FRONT
WHEN CLOSED

SEATING EFFICIENCY AT LOW COST!—Mounted on 4″ diameter wheels under all columns except the stationary rear columns, the Wayne Model 30 Folding Bleacher rolls back against the wall in one continuous operation to form a sloping front.

GENERAL SPECIFICATIONS

1. DESIGN AND CONSTRUCTION

The seating shall be designed and constructed to support, in addition to its own weight, a live load of 120 pounds per linear foot of seatboard, plus 120 pounds per linear foot of footboard, and to resist by adequate diagonal bracing a horizontal sway load applied lengthwise to the seats, of 24 pounds per linear foot of seatboard. Under these loads, stresses in steel shall conform to the Standard Specification of the American Institute of Steel Construction, and stresses in wood shall not exceed those recommended by U. S. Forest Products Laboratory.

2. FINISH

All steel parts of the understructure shall be properly cleaned and finished in gray enamel.

All wood parts shall be sanded and finished with natural hot sprayed lacquer.

3. GUARANTEE

The manufacturer shall guarantee that all work done under these specifications is free from defects in materials and workmanship for a period of one year from date of completion of installation.

INDIVIDUAL MODEL SPECIFICATIONS

Model 30 Folding Bleacher

4. STANDARD DIMENSIONS

Depth per row—22 inches
Rise per row—8½ inches
Seat height—17½ inches

5. UNIT CONSTRUCTION

Each unit shall be complete in itself, consisting of tubular steel understructure, footboards, seatboards and riser boards, connected to form one integral assembly. Each column of the unit (except the stationary rear columns) shall be equipped with a 4 inch diameter wheel, with oil-less bearings, made of a rubber faced plastic composition which will not mark or dent the floor.

When fully closed, the front of the unit shall form a sloping surface.

6. SEATBOARDS, FOOTBOARDS AND RISER BOARDS

All boards shall be Douglas Fir of quality as defined by "Standard Grading and Dressing Rules No. 15" as published by the West Coast Lumbermen's Association. The edges and ends of all boards shall be eased.

Seatboards—clear solid lumber as defined by Rule 151-b., 5/4″ x 10″ before surfacing.

Footboards—solid lumber as defined by Rule 123-a., 2″ x 10″ before surfacing.

Riser boards—clear solid lumber as defined by Rule 151-b., 1″ x 8″ before surfacing.

7. INSTALLATION

Installation shall be done by the manufacturer's regularly authorized representative. Units shall be fastened to the wall with proper attachments. All units shall be adjusted to operate easily.

Model 50 Vertical Front Rolling Gymstand

4. STANDARD DIMENSIONS

Depth per row—22 inches
Rise per row—10¼ inches
Seat height—17 inches

5. UNIT CONSTRUCTION

Each unit shall be complete in itself, consisting of steel understructure, footboards, seatboards and vertical riser boards, connected to form one integral assembly. Each column of the unit (except the stationary rear columns) shall be equipped with two 3 inch diameter wheels, with oil-less bearings, made of a rubber faced plastic composition which will not mark or dent the floor. When live load is applied, the wheel housing (rolling foot) shall establish contact with the floor, to transmit live load directly to the floor.

Each unit shall be equipped with rotating alignment frames to keep the rows parallel at all times.

Each unit shall be equipped with a cylinder lock to lock it automatically in both the open and closed position. In addition, the front row of each unit shall be equipped with self-setting rubber brakes.

When fully closed, the front of the unit shall form a vertical surface.

6. SEATBOARDS, FOOTBOARDS AND RISER BOARDS

All boards shall be Philippine Mahogany equal to FAS and Selects as established by the National Hardwood Lumber Association or Douglas Fir as defined by Rule 151-b of "Standard Grading and Dressing Rules No. 15" as published by the West Coast Lumbermen's Association. The edges and ends of all boards shall be eased.

Seatboards—5/4″x10″ before surfacing.
Footboards—5/4″x10″ before surfacing.
Riser boards—5/4″ x width to fully close the vertical gap between corresponding foot and seatboards.

7. INSTALLATION

Installation shall be done by the manufacturer's regularly authorized representative. Units shall be fastened in place with proper attachments. All units shall be adjusted to operate easily.

Model 70 Continuous Seating-Automatic Power Operation

4. STANDARD DIMENSIONS

Depth per row—22 inches
Rise per row—10¼ inches
Seat height—17 inches

5. CONSTRUCTION OF SEATING SECTIONS

Each section shall be constructed as a continuous, uninterrupted length of seats and shall consist of steel understructure, footboards, seatboards and vertical riser boards connected to form one integral assembly. The boards shall be installed so that no breaks or gaps occur in the entire length of the section.

Each column of the section (except the stationary rear columns) shall be equipped with two 3 inch diameter wheels. When live load is applied, the wheel housing (rolling foot) shall establish contact with the floor.

6. POWER OPERATION

Each section shall be installed with self-contained, automatic power operation. The opening and closing of the sections shall be controlled by a spring loaded key switch conveniently located. The power system shall be designed so that one or more rows may be used at any time. The movement of the section to the extreme open or closed positions shall be controlled by limit switches. Each section shall be powered by a single motor to assure positive alignment at all times. The power shall be transmitted from the motor to drive reels and rigid pusher bars by means of a steel jack shaft and chain drive linkage.

Each section shall be equipped with a simple and positive means for disengaging the drive mechanism so that the section can be opened manually in case of power failure.

7. SEATBOARDS, FOOTBOARDS AND RISER BOARDS

All boards shall be Philippine Mahogany equal to FAS and Selects as established by the National Hardwood Lumber Association or Douglas Fir as defined by Rule 151-b of "Standard Grading and Dressing Rules No. 15" as published by the West Coast Lumbermen's Association. The edges and ends of all boards shall be eased.

Seatboards—5/4″x10″ before surfacing.
Footboards—5/4″x10″ before surfacing.
Riser boards—5/4″ x width to fully close the gap between corresponding foot and seatboards.

8. INSTALLATION

Installation shall be done by the manufacturer's regularly authorized representative. Sections shall be fastened in place with proper attachments. All sections shall be adjusted to operate easily.

PLEASE NOTE: Wayne Iron Works continually pursues a program of design and product improvement for better spectator seating. When such improvements occur, or, when conditions exist over which we have no control, Wayne Iron Works reserves the right to supply equipment considered to be standard at the time of shipment.

PLANNING • SALES • SERVICE

Wayne equipment is planned, sold and serviced by factory trained representatives located throughout the United States. For immediate information or guidance call the Wayne Representative nearest you or write the factory direct.

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